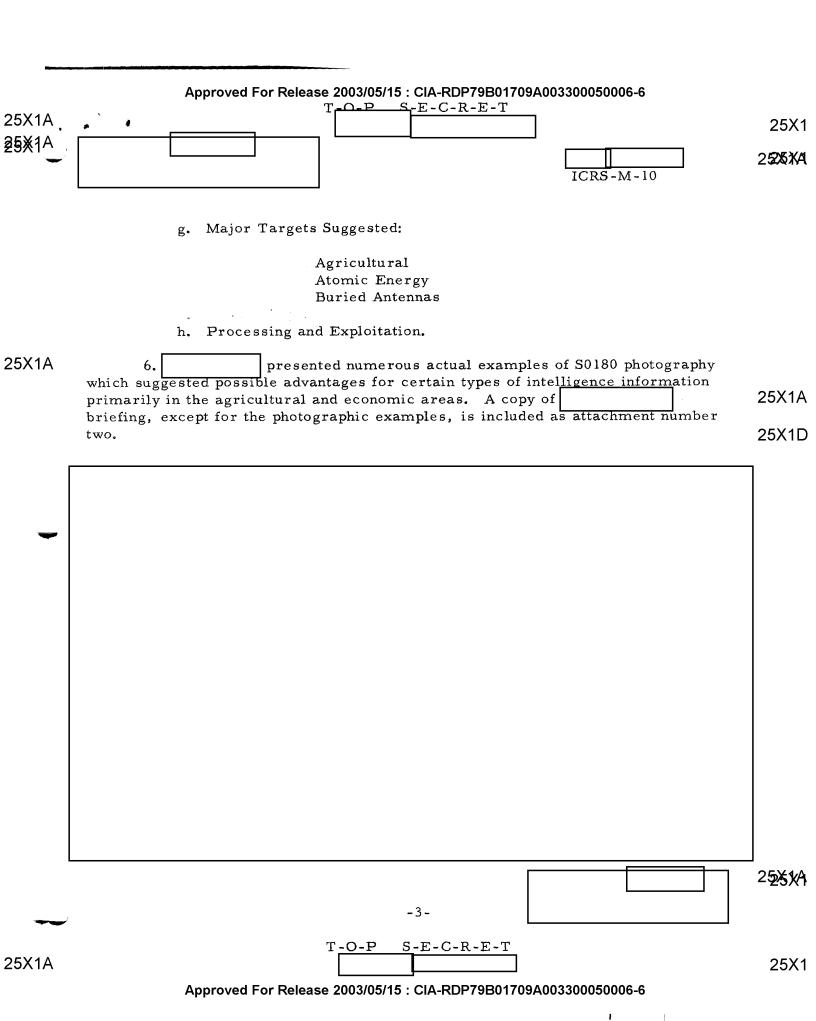


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25X1 25X1A 1	Approved For Release 2003/05/15 ECIA-RDF79B01709A003300050006-6	25X1
25X1A	ICRS-M-10	2 5% 1/A
needs and been acque 25X1A an opport	terested in the possible adaptation of color photography to intelligence d that it was generally felt that no large scale color photography has uired over denied areas which would permit the exploitation community tunity to fully access the value of color as applied to technical intelli-As a result the Land Panel recommended sufficient	25X1 NRO
better un mending/	derstanding of the procedures within the framework of USIB for recom- dapproval of special requirements which have an impact on the National nce Requirements. The Chairman expressed his confidence that close ion between and the ICRS can be achieved.	
25X1A 5.	CIA, briefed on the S0180 color film which will on Mission 1104. Briefing consisted of:	
	a. Background data on the KH-4B engineering test plan for the first five KH-4B launches.	
	b. Problems of Satellite Color Testing.	
	c. Purpose of the Test.	
	d. Basics of the Test.	
	e. Past Experience w th S0180.	0EV4A
	f. Mission 1104 Film Load and Filters.	25X1A
	-2-	25X1
	T_O-P S-E-C-R-E-T	
25X1A	Approved For Release 2003/05/15 : CIA-RDP79B01709A003300050006-6	25X1



1 1 A	Approved For Releas <u>க் 20163/03/15 - ©:A-R Ep</u> 9B01709A003300050006-6	25X
1	ICRS-M-10	2 5 %)
	requested the ICRS Staff look at the possibility of the members a post mission recap that would include such things as ogrammed, reported by NPIC and not covered due to non-weather e. inaccurate coordinates, etc. This request will be given consider	a-
1A ^{tion and ac} 1	ddressed at a future meeting.	
1A 17.		25X1 NRO
CZECHOS	SLOVAKIA	
1A 18.	asked the members to closely monitor the Czechoslov tuation and to advise him immediately if any development occurred ected the Czechoslovakia requirements for 1104	 25X125X1 NRO
1A 18.	asked the members to closely monitor the Czechoslov	25X125X1
vakian sit which afformation which afformation which afformation with the second secon	asked the members to closely monitor the Czechoslov tuation and to advise him immediately if any development occurred ected the Czechoslovakia requirements for 1104 reaffirmed the requirement for one foot resolution for the Santiago Army Camp Bunker despite the withdrawal of the requirement. He questioned whether any specific ICRS action need by this regard. replied that, in his opinion, the ICRS ecommend a specific system for use if there was a high assurance the meet the requirement. In the interim he recommended the target be meet the requirement. In the regular GLASS LAMP missions. Mr.	25X125X1 NRO 25X1
1A 18. vakian sit which afform CUBA 1A 19. coverage camera r 1A taken in re it could re it could re covered	asked the members to closely monitor the Czechoslov tuation and to advise him immediately if any development occurred ected the Czechoslovakia requirements for 1104 reaffirmed the requirement for one foot resolution for the Santiago Army Camp Bunker despite the withdrawal of the requirement. He questioned whether any specific ICRS action need by this regard. replied that, in his opinion, the ICRS	25X125X1 NRO 25X1
1A 18. vakian sit which afform CUBA 1A 19. coverage camera r 1A taken in re it could re it could re covered	asked the members to closely monitor the Czechoslov tuation and to advise him immediately if any development occurred ected the Czechoslovakia requirements for 1104 reaffirmed the requirement for one foot resolution for the Santiago Army Camp Bunker despite the withdrawal of the requirement. He questioned whether any specific ICRS action need by this regard. replied that, in his opinion, the ICRS ecommend a specific system for use if there was a high assurance the meet the requirement. In the interim he recommended the target be as often as possible with the regular GLASS LAMP missions. Mr.	25X125X1 NRO 25X1

25X1A

25X1

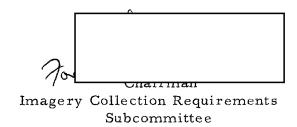
)	T	-O-P S-E-C-	R-E-T		
		<u> </u>			
				ICRS-M-10	
20.				included in the	
	t file so that DIA can n concurred in this				•
accordingly.					
SATELLITE	SCHEDULE				
21 1-		at at the aver	and ICDS m	acting for a given	aonth
21. In schedule,	response to a reque			le as follows:	HOHEH
		-			
	CORONA				
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		1105 - 30 C	ct 1968		
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	advised the Committ Mission 1105 as we	_			
color film on	WIISSION TIOD as We	II as a lull loe	d or orbro	one camera (24	, 000
COUTH CUIN	A/NORTH VIETNAN	A DDIODITY I	ter		
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	ere were no change	s to the South	China/North	n Vietnam Priorit	y
List.					
	A submitted a weekl	-		_	
high priority	targets in North Vie	etnam. There	was no Sout	th China coverage	2
			Г		
during the pe					
		-6 -			

25X1 25X1	Approved For Release02063/05/塔-位战界部P79B01709A003300050006-6	25X1
25X1	ICRS-M-10	2 5% XA
25X1A	24. The "J" Mission Priorities Paper for 1104 was discussed. Col. requested that the East European satellite countries be placed in priority one due to the political situation in Czechoslovakia. The members concurred. He further requested that five of the ICBM complexes submitted	
t :	concurred. He further requested that five of the Foundation of the DIA for consideration as priority one be placed in priority two. He referred by CIA for consideration as priority one the DIA analysis of new ICBM starts as reflected in the minutes, ICRS-M-7, 22 July 1968. The recognized that inder normal circumstances the DIA position had merit, but, because of the possible negotiations between the US and the USSR on arms limitation, the requirement to obtain current coverage on all offensive systems is extremely important. No position was reached at the meeting. Subsequently, the paper was approved by COMIREX which included the five ICBM complexes as priority one (attachment number four).	25X1A
25X1A	25. recommended bi-spectral operations on three domestic targets, which was approved.	
	26. Recommendations for 1104 color photography were received from the Committee. It was agreed to postpone action on this subject until the 20 August ICRS meeting since this will still allow time to provide any special guidance to the NRO as well as provide the Committee the latest planning data on actual targets that will be accessible during the color portion of this mission. A combined list of the recommended targets will be provided the members prior to the August 20 meeting.	
	NPIC READOUT REQUIREMENTS EVELINGOM defining ICRS read-	
25X1A	27. Draft memoranda to the Chairman, EXSUBCOM defining ICRS read- out requirements for Mission 1104 were approved.	25X1A
25X1 NRO	-7-	25X1
	·	
25X1A	T -O-P S-E-C-R-E-T Approved For Release 2003/05/15 : CIA-RDP79B01709A003300050006-6	25X1

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25X1A 25X 1A	* * *					25X1
ESKIN					ICRS-M-10	2.52% XA
					20200 171 10	

TARGET UPDATE ACTIONS

28. Target update sheets consisting of 53 additions, 6 changes and 2 deletions were distributed to the members for review and comment. Any exceptions were requested by COB 8 August.



Attachments: a/s

-8-

T-O-P S-E-C-R-E-T

25**%**1/A

25X1A

TOP VERTICAL

25X1D

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ICRS-M-10 .

26 July 1966

Letter NRO Staff to COMIREX Proposed CORONA J-37 for October use SO 121

10 November 1966

Memorandum NRO Staff to COMIREX "Analysis of Color Photography in the NRP"

Summary: We think we know how to

We think we know how to process and dupe it.

We now look to the Intelligence Community to suggest

"Where, How and When"

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Attachment 1 to ICRS-M-10

- Color Requirements/Color Acquisition are involved in a Chicken/Egg Situation (日本)
 - Statement of Requirement
 Target
 Problem

 - ExploitationFeedback loop
 - Our present and on-going systems are not designed to permit alternate film recordings at operator aptic

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	AERIAL INDEX	ITEK DA 1000/1	TA 1.6/1	KODAK 100/1		
	12 - 18	130	73	170	60	
ODACHROME II	3.4	180	82	170	80	
GFACHROME CL-135	AND THE PARTY OF T		65		36	And the second s
30 180 (I-R)	10				185	
KODAK 3404 (W-21)	1.85			635	n en	
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ICRS-M-10

3 February 1966 Mission 0026 H

18 October 1963

Mission 3754

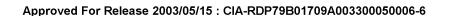
U-2 Delta Configuration — S.E. Asia SO 121 & 3404

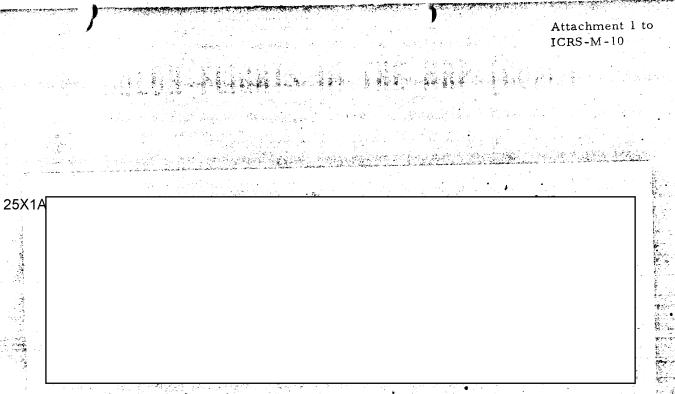
U-2 "B" Configuration — Cuba

Resolution.

Aerial Ektachrome Reversal

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20 December 1967 Mission 1102 CORONA Satellite — Domestic Test Bi-Color 3404 Wratten 25 (Red) SFO 5 (Green)

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and the second	•			
	-		-	

TOP VERTICAL

252%XA

Attachment 1 to ICRS-M-10

CONCLUSION

No large scale color photography has been acquired over denied areas which would permit exploitation community an opportunity to assess value of color in technical intelligence

RECOMMENDATION

25X1 **NRO** TOP VERTICAL

Attachment 2 to ICRS-M-10

MISSION 1104

ENGINEERING EVALUATION

PLAN

7 AUGUST 1968

OSP/DDSST

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Attachment 2 to ICRS-M-10

BACKGROUND

Development of the KH-4B Engineering Test Plan (FEB-APR '67)
With the Community

DNRO Approval of the Test Series (MAY '67)

DNRO Establisment of the KH-4B Photographic Experiment Evaluation Committee (FEB '68)

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7.5%X

Attachment 2 to ICRS-M-10

PROBLEMS OF SATELLITE COLOR TESTING

Lack of Specific Operational Targets for Evaluation

Lack of Concurrent Black & White and Color Materials

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25X1/

Attachment 2 to ICRS-M-10

purpose of test

To Evaluate the Use Of SO-180 (IR Color Film)
In The KH-4B System

purpose of briefing

To Coordinate Test Plan With Community

25×51,4

Attachment 2 to ICRS-M-10

BASICS OF 1104, TEST

800 Ft. Of SO-180 On End OF Fwd. Camera

First Attempt At Using SO-180 At Satellite Altitudes

Since This Is An End Of Mission Test, Need To Lientify Operational Targets To Aid In Evaluation

Preliminary List of Objectives Mas Been Generated

25%

Attachment 2 to ICRS-M-10

PAST EXPERIENCE

WITH SO-180

Ekit Test Series (U-2)

System Testing At Simulated Altitude

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275X6X/

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Attachment 2 to

PROPOSED

ENGINEERING

PLAN

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2**5**%%

1104 SYSTEM LOADING

FILM LOAD

FILTERS

Fwd. Camera

15,200 Ft.

800 Ft.

AS Camera

16,000pt. 3404

Fwd. Camera

Primary-W/25

Alternate-G-15+0.9ND

Aft Camera

Primary-W/21

Alternate-SF-05 (Green)

[:]m Loading Provides For Normal High Resolution Black

A Willie Coverage Throughout The Mission On Aft Camerc

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Attachment 2 to ICRS-M-10

MAJOR TARGETS SUGGESTED

Agricultural

25X

Atomic Energy

Charles and the second second second second

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AGRICULTURAL

Attachment 2 to ICRS-M-10

BACKGROUND

ORD/CIA Has Done Considerable Work Relative to Assessing Agricultural Output by Photography. SO-180 Very Effective

SO-180 Uniquely Qualified to Assess Agricultural Problem

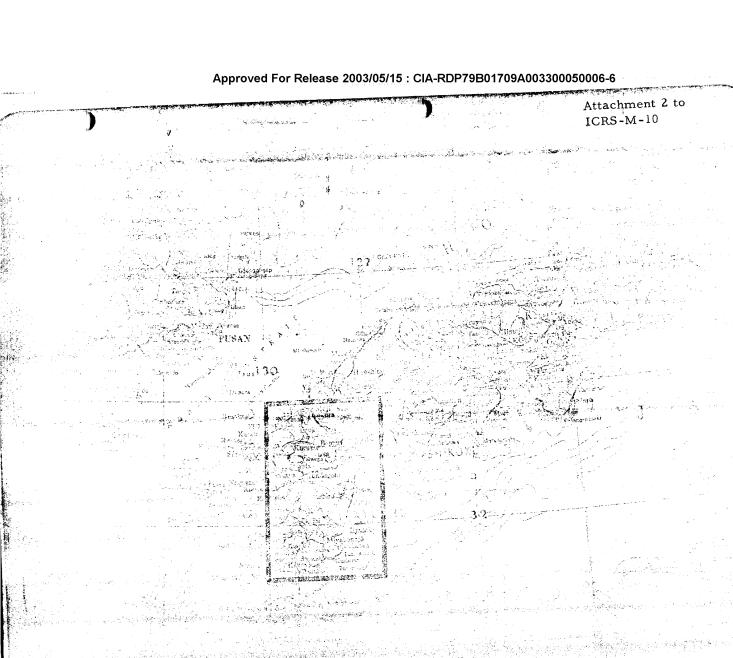
CIA Proceed Apace in Seeking to develope Techniques Which Will . Theble Estimates of Crop Yield to be Made from Satellite Photography USIB - D - 41.14/280 (COMOR-D-25/204)

²⁵251

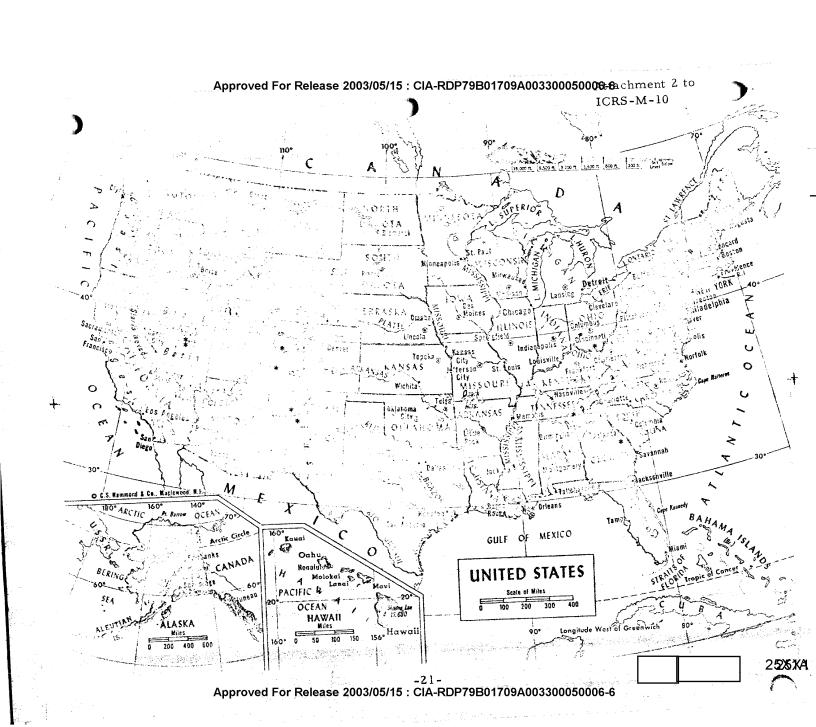
Approved For Release 2003/05/15: CIA-RDP79B01709A003300050006-6 AGRICULTURE OBJECT A. Facilitate the Monitoring of the Condition of Autumn Harvested 25X1 Crops in the Specified Area of Communist China 25X1 25X1

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25%XA



25/51/



DROCESSSING'AND EXPLOITATION

- 1. Processing Site Equipped and Ready to Process SO-180
 - 1 Day to Process Original
 - 2 Days for First Dupe, Additional Dupes at Rate of 2/8 hrs.
 - Black & White Dupes Can Be Made From COLOR Original
 - ORT Has Developed Analysis Techniques for
 - Agricultural Question, Will Participate in Analysis
 - 3. Analysis Does NOT Require Any Special Lauipment

SIMMAN REPROPERTY

JUU6-6 Attachment 2 to ICRS-M-10

1. ENGINEERING TEST, SO-180 Recommended Against Operational Objectives

800 Ft. of SO-180 On Forward Camera, USI Load of 3404 On Aft Camera

- 3. Processing and Duplication Can Be Handled
- A. Exploitation and Analysis Coordinated with NPIC, Approved For Release 2003/05/15, CIA DEPOSE COORDINATE OF THE PROPERTY OF

Approved For Release 2003/05/15 : CIA-RDP79B01709A003300050006-6 25X1 Next 14 Page(s) In Document Exempt

25X1A T-O-P S-E-C-R-E-T

Attachment 4 to ICRS-M-10

25X1

Priority 4 *

Domestic Areas:

- 1) 31 45N to 37 OON 109 OOW to 115 OOW
- 2) 35 15N to 37 45N 117 30W to 120 30W
- 3) 37 15N to 39 45N 91 07W to 94 22W
- 4) 37 45N to 40 15N 83 00W to 86 15W
- 5) 34 00N to 36 30N 76 07W to 79 15W

Leopoldville, Congo

1) $03^{\circ}30$ 'S - $06^{\circ}00$ 'S, $11^{\circ}30$ 'E - $14^{\circ}00$ 'E

Fernando Po

1) $02^{\circ}50'N - 04^{\circ}10'N, 08^{\circ} - 10^{\circ}00'E$

Aldabra Islands

1)
$$9^{\circ}$$
 - 10° S, 46° - 47° E

Saipan, Tinian, Rota, Aguijan and Guam Islands

Babelthuap, Kokor Island Area

1)
$$06^{\circ}45$$
'N - $07^{\circ}50$ 'N, $134^{\circ}00$ 'E - $134^{\circ}50$ 'E

Engebi Island Area

1) 11°38'30"N - 162°16'30"E

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T-O-P S-E-C-R-E-T

Attachment 4 to ICRS-M-10

25X1

25X1A

Priority 4 (continued)

Bamako, Mali

- 1) $09^{\circ}00'N 13^{\circ}30'W$
- 2) 11°00'N 10°00'W
- 3) 09°00'N 07°30'W
- 4) 05°00'N 06°00'W
- 5) Northwest along coast

Priority 5 *

Domestic Areas:

- 1) 40 00N to 42 30N 96 00W to 99 15W
- 2) 30 45N to 33 15N 94 00W to 97 00W
- 3) 35 45N to 38 15N 106 07W to 109 22W

Mapping and Charting, outside the USSR, China, North Korea and East European Communist Countries.

Cuba

Program for area coverage only, film to be expended only on direction of COMIREX or if there is surplus beyond that needed to cover higher ranking priorities.

* Requirement is for coverage of one of the Priority 4 or Priority 5 Domestic Targets in 90 percent or better cloud-free photography with simultaneous pan and frame stereo coverage.